

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re the Application of:

ERIC C. HANNAH

Application No.:

Filed:

For: **Carbon Nanotube Molecular Labels**

Art Group: 1639

Examiner: Tran, My Chau T

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure, enclosed is a copy of Information Disclosure Statement by Applicant (form PTO/SB/08), which is being submitted concurrently with the Divisional Application. It is respectfully requested that the cited references be considered and that the enclosed copy of PTO/SB/08 be initialed by the Examiner to indicate such consideration and a copy thereof returned to applicant(s). Some or all of the references listed on the enclosed PTO/SB/08 were previously identified in the parent application (Application No. 10/991,610, filed November 9, 2001) and copies of the references were furnished at that time. Accordingly, per 37 CFR §1.98(d)(1) additional copies of those references are not submitted herewith.

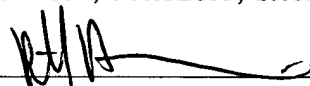
The submission of this Information Disclosure Statement is not to be construed as a representation that a search has been made in the subject application and is not to be construed as an admission that the information cited in this statement is material to patentability.

Please charge any fees due to Deposit Account 02-2666. A duplicate copy of the Fee Transmittal (PTO/SB/17) is enclosed for this purpose.

Date: 1/22/04

Respectfully submitted,

BLAKELY, SOKOLOFF, TAYLOR & ZAFMAN LLP



Richard A. Nakashima, Reg. No. 42,023

12400 Wilshire Boulevard, 7th Floor
Los Angeles, CA 90025
Telephone: (303) 740-1980

Please type a plus sign (+) in this box

+

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if known	
				Application Number	Not Yet Assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Eric C. Hannah
				Group Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
				Attorney Docket Number	042390P13119D
Sheet	1	of	3		

U.S. PATENT DOCUMENTS

Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear
		5,202,231		Drmanac, et al.	04/13/1993	
		5,332,666		Prober, et al.	07/26/1994	
		5,436,130		Mathies, et al.	07/25/1995	
		5,780,232		Arlinghaus, et al.	07/14/1998	
		5,821,058		Smith, et al.	10/13/1998	
		5,821,060		Arlinghaus, et al.	10/13/1998	
		5,972,619		Drmanac, et al.	10/26/1999	
		6,045,996		Cronin, et al.	04/04/2000	
		6,083,695		Hardin, et al.	07/04/2000	
		6,187,823		Haddon, et al.	02/13/2001	
		6,258,401		Crowley	07/10/2001	
		6,283,812		Jin, et al.	09/04/2001	
		6,297,592		Goren, et al.	10/02/2001	
		6,303,094		Kusunoki, et al.	10/16/2001	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		ADAMS, THOMAS A. II, "Physical Properties of Carbon Nanotubes,"[on line], [Retrieved on 10-22-2001]. Retrieved from the Internet URL:< http://www.pa.msu.edu/cmp/csc/ntproperties/main.html	
		AREPALLI, S., et al., "Electronically excited C ₂ from laser photodissociated C ₆₀ ," Chemical Physics Letters, 320 (2000), pages 26-34.	
		BONARD, JEAN-MARC, et al., "Why are carbon nanotubes such excellent field emitters?" [Retrieved on 10-22-2001]. Retrieved from the Internet, URL:< http://www.foresight.org/Conferences/MNT6/Papers/Chatelain . Pages 1-10.	
		HAN, H.X., et al., "Photoluminescence Study of Carbon Nanotubes" Los Alamos Physics Preprints: cond-mat/0004035, April 4, 2000, pages 1-6.	

Examiner
SignatureDate
Considered

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) in this box

+

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if known	
				Application Number	Not Yet Assigned
				Filing Date	Currently Held
				First Named Inventor	Eric C. Hannah
				Group Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
Sheet	2	of	3	Attorney Docket Number	042390P13119D

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		HERTEL, TOBIAS, et al., "Electron-Phonon Interaction in Single-Wall Carbon Nanotubes: A Time-Domain Study," Physical Review Letters, 2000, 84: 5002-5005.	
		MASON, JACK, "Nanotubes Fall Into Line," [on line], [Retrieved on 10-23-2001]. Retrieved from the Internet, Technology Review, May 24, 2001, pages 1-2.	
		ODOM, TERI, et al. "Atomic structure and electronic properties of single-walled carbon nanotubes" Nature, 1998, 391: 62-64.	
		PARKER, DEBORAH et al. "High-Yield synthesis, separation, and mass-spectrometric characterization of fullerenes C ₆₀ to C ₂₆₆ " J. Am. Chem. Soc., 1991, 113: 7499-7503.	
		RINZLER, ANDREW, et al. "Session S20 - Nanotubes VII: Spectroscopy and Optical Properties," Focus Session, Wednesday afternoon, March 14, Room 401, Washington State Convention Center. [Retrieved on 10-23-2001]. Retrieved from the Internet URL:< http://www.aps.org/meet/MAR01/baps/abs/S6800.html . Pages 1-5.	
		ROCHEFORT, ALAIN, "The Effects of Finite Length on the Electronic Structure of Carbon Nanotubes" Los Alamos Physics Preprints:cond-mat/9808271, August 24, 1998, pages 1-18.	
		SASAKI, K. "Vacuum structure of Carbon Nanotube Torus" Los Alamos Physics Preprints:cond-mat/0106190, June 11, 2001, pages 1-10.	
		VENEMA, LIESBETH, et al., "Imaging Electron Wave Functions of Quantized Energy Levels in Carbon Nanotubes, Los Alamos Physics Preprints:cond-mat/9811317, November 23, 1998, pages 1-14.	
		WILDOER, JEROEN et al., "Electronic structure of atomically resolved carbon nanotubes" Nature, 1998, 391: 59-62.	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) in this box

+

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it contains a valid OMB control number

Substitute for form 1449A/PTO (modified) INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if known	
				Application Number	Not yet assigned
				Filing Date	Concurrently Herewith
				First Named Inventor	Eric C. Hannah
				Group Art Unit	Not yet assigned
				Examiner Name	Not yet assigned
				Attorney Docket Number	042390P13119D
Sheet	3	of	3		

U.S. PATENT DOCUMENTS						
Examiner Initials	Cite No. ¹	U.S. Patent Document Number	Kind Code ² (if known)	Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	Pages, Columns, Lines Where Relevant Passages or Figures Appear
		5,866,434		Massey et al.	02/02/1999	
		6,140,045		Wohlstadter et al.	10/31/2000	

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date page(s), volume-issue number(s), publisher, city and/or country where published.	T ²

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard St.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.